

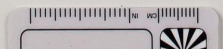
AIM Ann Report
1936 to 1937

ANNUAL REPORT
OF THE
AUCKLAND
INSTITUTE
AND MUSEUM
1936-37



Adopted at the Annual General
Meeting held on 17th May, 1937.

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AUCKLAND
1937.

Staff of the Museum.

Director	GILBERT ARCHEY, O.B.E., M.A., F.R.S.N.Z.
Hon. Numismatist	J. C. ENTRICAN.
Hon. Curator of English China ..	C. REGINALD FORD, F.R.I.B.A.
Hon. Curator of Oriental Collections	CAPTAIN G. HUMPHREYS- DAVIES.
Hon. Entomologist	W. H. HEMINGWAY
Assistant Director	A. W. B. POWELL.
Botanist	LUCY M. CRANWELL, M.A.
Ethnologist	V. F. FISHER.
Junior Ethnologist	OLWYN M. RUTHERFORD.
Assistant Zoologist	E. G. TURBOTT, B.Sc.
Associate Geologist	C. W. FIRTH, M.Sc.
Librarian	M. C. CLELAND.
Bookkeeper and Typist	MURIEL PORTER.
Recorder and Typist	DOROTHY HESSELL.
Mechanic	EDWIN LEECE.
Taxidermist	C. W. DOVER.
Cabinetmaker and Joiner	FRANK QUAYLE.
Custodian	W. HAWKE.

Attendants:

J. L. DAVY, D.C.M., E. PIERARD, M. HOLDSWORTH, J. STEWART,
E. W. THOMPSON.

OFFICERS
OF THE
AUCKLAND INSTITUTE
AND
MUSEUM
1937-1938

President:

SIR CARRICK ROBERTSON, F.R.C.S.

Vice-Presidents:

PROFESSOR H. W. SEGAR, M.A., F.R.S.N.Z.

SIR CECIL LEYS.

MR. A. T. PYCROFT.

Council:

DR. HOLBROOK A. CHATFIELD. MR. F. CROSSLEY MAPPIN.

MR. J. C. ENTRICAN.

MR. H. C. McCOY.

MR. W. A. FAIRCLOUGH.

MAJOR-GEN. SIR GEO. RICH-
ARDSON, K.B.E., C.B., C.M.G.

MR. C. R. FORD, F.R.I.B.A.

MR. W. GOODFELLOW.

SIR ALGERNON THOMAS,
K.C.M.G.

MR. A. H. JOHNSTONE, K.C.

MR. A. G. LUNN.

MR. E. E. VAILE.

Representatives of the Auckland City Council:

HIS WORSHIP THE MAYOR, SIR ERNEST DAVIS.

MISS ELLEN MELVILLE. MR. E. F. ANDREWS.

MR. N. V. DOUGLAS.

Representatives of Local Bodies:

MR. S. DONALDSON.

MR. S. W. HOUSE.

MR. J. C. RENNIE.

Trust Board:

SIR ALGERNON THOMAS,
K.C.M.G., Chairman.

MR. V. J. LARNER
SIR CECIL LEYS.

MR. E. ANDERSON.

MR. A. G. LUNN.

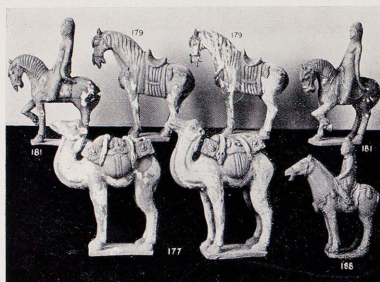
Director:

GILBERT ARCHIE, O.B.E., M.A., F.R.S.N.Z.

Acting Director:

A. W. B. POWELL.

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POTTERY FIGURES OF THE WEI (A.D. 386-557) AND
T'ANG (A.D. 618-906) DYNASTIES, RECOVERED FROM
TOMBS IN CHINA.

From the large collection recently presented by Captain
G. Humphreys-Davies.

Reports to Members

President.

In presenting this report, the sixty-ninth of the Institute's history, I may reasonably congratulate not only our own members, but all the citizens of Auckland on the continued satisfactory functioning of the Institute and Museum. The many and varied forms in which this institution has spread its activities will be indicated in the reports to follow.

Membership.—The present roll is 555, of whom 175 are life members, this showing an increase of 14 on last year's total. Sixteen names have been removed by death or resignation, and 30 new members were elected, two of these being life members.

Obituary.—I refer with deep regret to the death during the year of Miss W. Brown, Dr. G. Casement Aickin and Messrs. F. H. Combes, Alexander Geddes, H. R. Shroff and H. E. Vaile.

The Council records its grateful recognition of the valuable services of Mr. H. E. Vaile as President, Trustee and a member of the Council, and especially of his able assistance in connection with the erection of the War Memorial Museum and his many valuable gifts to the Maori collections. Mr. Alexander Geddes is a great loss to the Anthropology and Maori Race Section, of which he was an enthusiastic supporter and Chairman. The Council also records its deep regret at the death of Councillor J. W. Yarnall, whose friendly co-operation and interest in the Museum has been much appreciated.

Council.—Eight meetings of the Council were held. Dr. H. A. Chatfield was elected to the Council at the Annual General Meeting, and during the year Messrs. Edward Anderson and V. J. Larner were both elected to the Trust Board. Sir Joseph Smith, owing to a lengthy visit to England, has resigned his seat on the Council. His resignation has been accepted with much regret.

Staff.—With regret I have to record the resignation of the Assistant Director, Mr. Falla. He has been appointed Director of the Canterbury Museum, and our best wishes go with him. Mr. Powell has been appointed Assistant Director and Mr. Turbott Assistant Zoologist. Mr. Archey has been granted a year's leave of absence in order to accept the Carnegie Corporation's invitation to travel abroad and study museums in other parts of the world. During his absence Mr. Powell is Acting-Director.

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Finance.—The revenue for the year was £7,934. Expenditure on maintenance of the building is now becoming necessary, the main items being a new water installation to replace the old, which has become badly corroded. Repairs have also been found necessary to windows, skylights and floor covering. Fortunately, provision has been made to meet such contingencies by the setting aside annually of a sum of £200 in a Building Maintenance Reserve Fund.

Educational Activities.—The educational programme of the Museum has been further extended during the year, and ten new school cases will shortly be in circulation. A Carnegie grant has made possible a scheme for the interchange of displays among New Zealand Museums, and this is already in operation. It is also expected that the appointment of an Educational Officer under the Carnegie programme will shortly be announced.

Lecture Hall.—Owing to the increasing congestion at lectures held in the library, plans of a proposed new lecture hall have been prepared by the Architect fixing the location of the hall in relation to future extensions of the Museum building. It is estimated that the cost of this hall and temporary entrances will be approximately £12,000, and although there is no means of meeting this expense at present, it is regarded by the Council as a scheme of great merit.

Science Congress.—During January the Institute had the pleasure of welcoming over 600 visiting delegates and friends who attended the first Auckland meeting of the Australian and New Zealand Association for the Advancement of Science. The arrangements for this very successful meeting were made by the Auckland University College and the Auckland Institute in co-operation with the Museum Council, through a Local Executive Committee. The Council desires to thank His Worship the Mayor, Mr. Ernest Davis, the City Council, the Auckland Harbour Board, the Auckland Electric-power Board and the Auckland Transport Board for their valuable help in making possible the issuing of a special Auckland Handbook for the use of the visiting scientists. To the Auckland University College, the Workers' Educational Association and the Elam School of Art we offer our cordial thanks for the use of halls and lecture rooms, as well as to the many friends who supplied cars and launches for excursions, and also to those who helped otherwise in many ways.

By invitation of the Carnegie Corporation of New York the Directors of Australian and New Zealand Art Galleries and Museums met in conference in Melbourne and experienced the benefit of personal contact and exchange of ideas. The conference decided to form an Art Galleries and Museums Association of Australia and New Zealand, the inaugural meeting of which was held in the Museum during the Science Congress.

Overseas Loan Collection of Chinese Art.—We have to thank Captain Humphreys-Davies for arranging this fine loan collection of Chinese Art, which attracted large attendances during its season at Auckland. Our thanks are also due to the many overseas and local collectors and representatives of Museums and Art Galleries who made this exhibition possible by the generous loan of valuable specimens. We are particularly indebted to Captain Humphreys-Davies for the generous gift of his own collection of Chinese Pottery figures, and to Lady Boyd Dawkins, Messrs. Oscar Raphael and Victor Rienaecker for gifts as well as loans of exhibits.

Museum.—The attendances during the year total 175,621, being a weekly average of 3,378, over 36,000 more than for the previous year.

Among the many gifts received are collections of European Arts and Antiquities presented by Lady Kinsey, Mexican Antiquities presented by Mr. George E. Hyde, Maori articles presented by Mr. E. Earle Vaile, Maori and Polynesian ethnographical specimens presented by Mrs. H. E. Vaile, an extensive herbarium of New Zealand plants presented by Mr. E. Phillips Turner, and a very fine and extensive collection of Gilbert Island ethnological specimens placed on deposit by Mr. H. E. Maud.

In conclusion I should like to refer to the happy relations which exist between the Council and the staff, and also to the great amount of extra work which has been done by our staff in connection with the recent Science Congress. The fact that this work was so willingly and cheerfully performed is a criterion of the whole-hearted service which they give to this Institute.

CARRICK ROBERTSON.

Chairman, Trust Board.

There have been eight meetings of the Trust Board during the year.

The Trust Funds now amount to £29,844/15/8. Debentures totalling £100 have matured and have been repaid. Two Mortgages have been repaid during the year, and investments have been made in New Zealand and Commonwealth Stock. A balance of £1,381 is still in hand and will be invested at the first favourable opportunity.

In several cases the rate of interest on mortgages has been reduced, and there has been a further conversion of Local Body debentures to a lower rate of interest.

There has been an addition of £21 to the Life Members' Subscription Reserve, which now amounts to £2,403/1/5.

A. P. W. THOMAS.

Director.

Institute Meetings.—Ten public lectures were included in the year's programme and introduced a wide range of subjects. We are indebted to our lecturers, both fellow members and visitors, for their interesting and valuable contributions to the series, and to the University College Council and staff for facilities for holding lectures and meetings at the College. The following addresses were given:—

Mr. G. Kingsley Roth.—“Some Arts and Crafts of the Fijians.”

Mr. E. Phillips Turner, F.L.S., F.R.S.N.Z.—“Forests and Forestry in Japan.”

Dr. R. H. Makgill.—“Atmospheric Carbonic Acid: Its Value to Life.”

Dr. L. Gordon Drury.—“Euthanasia.”

Professor J. Rutherford, M.A., Ph.D.—“New Zealand's First War.”

Dr. Wallace A. Macky, M.Sc.—“Thunderstorms and the General Electricity of the Atmosphere.”

Dr. L. H. Briggs, M.Sc.—“The Vitamins.”

Lieut.-Col. E. R. Sawyer.—“Insect or Man in the Struggle for Survival.”

Rt. Rev. H. W. Williams, Bishop of Waiapu.—“Medieval Armour and Costume, as Illustrated by Memorial Brasses.”

Dr. A. L. Day.—“The Yellowstone Hot Springs.”

Captain G. M. Turner.—“Sea Birds' Homes and Haunts.”
“Bass Rock, Scotland, and Scenes of Stewart Island.” Illustrated with Cinema Film.



1. Large greenstone hei-tiki. 2, 3 and 4. Stone adzes and pounder from the island of Rapa, from collections presented by Mr. E. Earle Vaile.
5. Clay figure from extensive collection of Mexican antiquities presented by Mr. Geo. E. Hyde.
6. Fine example of Ch'ien Lung period jade representing gourd and vine. Presented by Mr. Victor Rlenaecker.

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Three Ordinary Meetings were also held, papers being given by Miss L. M. Cranwell, Dr. J. Scaife Armstrong, Rev. A. J. T. Fraser and Messrs. A. Porter, A. W. B. Powell and C. A. Fleming.

Sunday Afternoon Lectures.—Interest in the Sunday afternoon lectures increases each year; the attendances, which averaged 196, taxed the accommodation of the library to capacity and frequently many would-be patrons could not be admitted. This public response to one of the Museum's educational services indicates the urgent need for a separate up-to-date lecture hall.

We are indebted to the following lecturers for last season's series:—

Mr. F. L. Armitage.—“Babies and Old People.”

Professor A. Wall.—“People, Plants and Scenery of Little Thibet.”

Dr. C. W. Parr.—“A Tourist's Impressions of Cairo and the Pyramids.”

Mr. A. W. B. Powell.—“Marine Life of Auckland in the Geological Past.”

Miss L. B. Moore, M.Sc.—“Impressions of a Naturalist Abroad.”

Mr. G. H. Holford, B.Sc.Agr.—“Grass and Mankind.”

Miss L. M. Cranwell, M.A.—“Life and Art in Sweden.”

Miss E. K. Morton.—“South Island Journeys.” “Journeying down the Hollyford.”

Astronomical Section.—This section, which now has a membership of 32, held eight meetings during the year, at which addresses were given by Dr. D. Brown, Professor P. W. Burbidge, Mr. E. G. Jones, Mr. J. C. Stewart, Mr. P. Chambers, Mr. G. B. Bell, Mr. S. C. Meyer and members of the Observing Section.

During the year an Observing Section was formed, being affiliated with the Astronomical Society, and comprising amateur astronomers who wish to do observing work.

The Observatory has been open on fine evenings throughout the year, and in spite of frequent cloudy skies, there have been good attendances by members and their friends.

The death is recorded with great regret of Mr. P. Chambers, who has been an active member of the section almost since its inception.

The Section desires to thank the lecturers, those in charge of the Observatory, and the University College and Professor P. W. Burbidge for the continued use of the telescope.

Anthropology and Maori Race Section.—During the past year the membership has increased slightly, and now stands at 55. The attendances were good and the Committee was pleased to observe that members were bringing their friends to many of the meetings.

It is with regret the Committee record the deaths of Mr. Alex. Geddes, a member of long standing and who was whole-heartedly interested in the work of the Section, and Mr. John G. Restell, for many years the Hon. Auditor.

Addresses or papers were given by Mr. Gilbert Archey, Mr. G. R. Brookes, Dr. W. S. Dale, Mr. H. R. Dix, Mr. R. G. Dick, Rev. A. J. T. Fraser, Mr. Geo. Graham, Mr. P. Jones, Mr. A. Porter, Mr. P. Smyth and Dr. J. C. Wadmore.

A Popular Evening was the special feature of the year, when the Chairman, Mr. G. Archey, lectured to a large gathering on "Maori Carving."

Three Field Days were advertised, but owing to wet weather two had to be cancelled. However, a very successful meeting was held on the property of Mr. S. Parkinson, of St. Helier's, where members had an opportunity of viewing the excellent earthworks of an old pa.

The Officers of the Section were Mr. Gilbert Archey, Chairman; Mr. Allen Porter, Hon. Secretary and Treasurer; Miss O. Adams, Miss O. M. Rutherford, Mr. G. R. Brookes, Rev. A. J. T. Fraser, Mr. Geo. Graham, Committee; Mr. J. G. Restell, Hon. Auditor.

Additions to the Collections.—Every department of the Museum has received valuable additions, many as gifts and others by staff collecting and purchase. Rear-Admiral the Hon. E. R. Drummond has presented a set of early Cypriote pottery; Mr. C. Reginald Ford has given examples of European China and glass; from Mr. Geo. F. Inglis we have received New Hebridean ethnographical material; Mr. F. E. Williams has presented a series of rare Papuan ethnographical specimens; Mr. E. Earle Vaile has given an important collection of stone adzes and pounders from the island of Rapa; and a collection of eastern Polynesian stone

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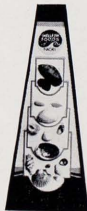
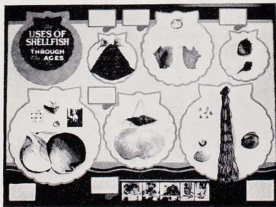
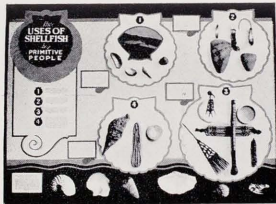
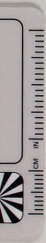
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implements has been bought. A most valuable and cordially appreciated contribution both to display and to the study of Maori and Polynesian art is a series of perfectly executed casts of Maori carvings presented by the British Museum.

Mr. W. H. Hemingway has presented natural history specimens from Australia and the Solomon Islands; Mr. W. J. Crowther has made frequent gifts of birds, and Messrs. Sanford Ltd. have continued to add rare and unusual fishes to our collection. For several years now Mr. A. H. Watt has contributed natural history specimens and Maori articles from the far north, and the Auckland Zoological Park has again presented birds and mammals, among which the Indian elephant "Rajah" may claim chief mention. The skin has been admirably mounted by Mr. Dover, who is to be congratulated on a fine piece of taxidermy. Visitors were given opportunities of witnessing the various stages in this undertaking, which aroused almost as much interest as the complete preparation.

Display.—Considerable progress can be reported in improved exhibition. In a four-panel introduction to the botany hall, Miss Cranwell has prepared a most attractive and successful explanation of the evolutionary development of water plants to land forms and of plant classification as related thereto. In the ethnology hall Miss Rutherford has introduced a self-explanatory grouping of specimens with a carefully designed association of labels and backgrounds, which present a pleasing unity and harmony of colour and arrangement. Mr. Powell has achieved a similar *ensemble* in "What is a Fossil," an introductory palaeontological case, and in a display of marine boring animals. The above have been carried out as definite experiments in display supported by a grant from the Carnegie Corporation of New York. A comprehensive arrangement describing the Waikato coalfield and illustrating the stages in the formation of bituminous coal has been completed by Mr. Firth, and there have been general additions to the exhibited series in all departments.

Exhibitions.—Special exhibitions have continued to provide a variety of interest and entertainment for visitors. Besides the important Overseas Loan Exhibition of Chinese Art, which has been referred to by the President, we have been favoured with an exhibition of Rubbings of Memorial Brasses lent by the Rt. Rev. Bishop Williams, who kindly delivered a lecture on the subject on the opening evening. Mr. Wm. C. Davies, Curator of the Cawthron Institute, also brought to Auckland and arranged for display a large selection of his beautiful photographs of native trees and



A CASE PREPARED UNDER A CARNEGIE SCHEME FOR THE
EXCHANGE OF DISPLAYS AMONG NEW ZEALAND MUSEUMS.

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plants and other scientific subjects, while the Cheeseman Memorial Native Spring Flower Show surpassed its previous successes. The Show was opened by Mr. E. Phillips Turner, F.L.S., F.R.S.N.Z.; besides the contributions of many individual friends and helpers, it included special displays by the City Parks Department, the Railway Department and the Titirangi Beautifying Society.

Education.—The native flower show was again made the occasion for the school children's flower display competitions for the Sir Edwin Mitchelson prize and other prizes given by members and friends. The Cheeseman Memorial prizes, previously given by the Council for natural history essays and displays, were this year offered for drawings or paintings and for poems, and resulted in over 40 entries of drawings and of verse being received. A special natural history evening for competitors and their parents was held, the prizes being presented by Mrs. R. Wilson.

The natural history and ethnology clubs have met regularly and have had successful field days and camps, and the Blind Institute classes have again come for special lessons. All the members of the scientific staff participated in Arbor Day celebrations to plant trees or to give addresses.

The school service has been maintained largely through the interest and co-operation of Mr. D. M. Rae, Principal of the Teachers' Training College, in arranging for two students to attend for six-weekly periods to receive school classes, give demonstrations and route the school loan cases. The students' work was completely successful, and the reports which each submitted contain useful suggestions for future educational activities.

Members of the staff have continued to give public lectures to outside organisations (Miss Cranwell 17, Mr. Falla 18, Mr. Powell 10, Mr. Fisher 10, and the Director 10) and the questions asked and answered have exceeded 4,000 in number.

General.—The first number of the second volume of the "Records" was issued in November, and contained the following papers:—

- Mr. R. A. Falla.—"Arctic Birds as Migrants in New Zealand."
- Mr. V. F. Fisher.—"The Material Culture of Oruarangi, Mata-toki, Thames. III. Stone Implements and Ornaments."
- Mr. A. W. B. Powell.—"The Paryphantidae of New Zealand. III. Further New Species of Paryphanta and Wainuia."
- Mr. Gilbert Archey.—"A Revision of the Chilopoda of New Zealand. Part I."

A guide or handbook to Maori and South Sea Islands ethnology has been written, and it is hoped to publish it early in the year.

I cannot let this exceptionally busy year close without expressing my grateful appreciation of the willing service and co-operation of the staff, particularly for their strenuous efforts in connection with the Science Congress. All members of the staff join in congratulating our senior member, Mr. Cleland, on the completion of twenty-five years of service with the Museum. Finally, I wish to thank the Council for granting me generous leave of absence to enable me to visit the Art Galleries and Museums Conference at Melbourne and to accept the Carnegie Corporation's invitation to travel abroad for a year.

GILBERT ARCHY.

Assistant Director.

Administrative work has been undertaken as delegated from time to time by the Director, general supervision of the School Service, and of the departments hereunder reported on.

The collection of mammals has been steadily added to by useful gifts from the Curator of the Zoological Park, and a few from private donors. Additions to the bird collection include 50 specimens of foreign birds presented or received by exchange, and of native birds 17 specimens were presented and 45 collected under permit where required. In addition to the representative collection exhibited in the Hall of New Zealand Bird Life, the Museum now possesses an important reference collection of native birds, the series of sea birds especially containing specimens illustrating age phases, variation and moult. Foreign reptiles and amphibia are represented by several interesting additions; while the new insect material acquired during the year consists mainly of additions to the series of New Zealand insects, including some valuable donations of rare native beetles by Mr. E. T. Fairburn.

The principal addition to the display collection was the male Indian elephant "Rajah," which was shot by order of the Curator of the Zoological Park in March, 1936, and the body presented to the Museum. Mr. C. W. Dover, taxidermist, with assistance at various stages, has prepared the skin and skeleton and mounted the former for exhibition. The elephant was finally placed in the Hall of Foreign Natural History in October. Other planned extensions and additions to the display collections of mammals and birds have been to some extent held up while the taxidermist has

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been engaged on the elephant, but considerable re-arrangement and additional labelling has been done in all galleries, and a new background and arrangement completed for the antarctic bird group.

No field work was undertaken during the year except a visit to the Rotorua district in October to continue a seasonal study of duck and waterfowl, and several day trips collecting storm-killed seabirds and migratory waders. A short visit was also made to the Hen Island for the purpose of making a short film of the sanctuary.

The time available for research has been largely taken up with proof-reading and indexing an extensive report on antarctic birds. A paper on "Arctic Birds as Migrants to New Zealand" was published, and another on the "Feeding Habits of Cormorants" was read before Section D of the A.N.Z.A.A.S.

In connection with arrangements for the Auckland meeting of the A.N.Z.A.A.S., editorial duties were undertaken which began in March and continued until the New Zealand Handbook went to press; it was seen through the press by Mr. F. J. A. Brogan, of the Department of Scientific and Industrial Research. The general secretarial work of the Excursions and Hospitality Committee was also undertaken before and during the meeting.

Departmental enquiries, including those received and answered by letter, telephone or personal interview, reached a total of 1,050 for the year.

R. A. FALLA.

Education and School Service.

Museum activities in this field have been maintained and extended as far as possible in the absence of a full-time Education officer attached to the staff. During the year 82 classes, comprising 3,912 children, visited the Museum.

Educational work at the adult grade has taken the form of the various lectures given by members of the staff in the Museum and beyond. Of the various children's clubs, both junior and senior ethnology clubs for boys are still conducted by Mr. Fisher; Mr. Powell's group has merged in an evening group to include adults; while the botany and entomology groups have continued with a few of the older adolescent members and no younger ones enrolled. Groups organised outside the Museum and making regular use of it have been two "cultural groups" from the Auckland Grammar School, Anthropology numbering 68 in charge of Mr. C. R. Bach, and Natural History, 58, under Mr. D. Adams. Senior and junior classes for nature study have come weekly from the Jubilee Institute for the Blind.

The Cheeseman Memorial Competition for 1936 took the form of original drawings or poems on some natural history subject. The secondary schools were well represented in a fair number of entries in both classes; the standard of work was high. The Spring Flower Show is mentioned in Miss Cranwell's Report.

Good progress has been made in building up the collections of lantern slides available for loan, and the 16 mm. cinema films. Funds made available by Carnegie grant have been used to prepare several new films and 14 subjects are now available. In order to release Museum films for circulation to schools by the Auckland Visual Education Association, it has been necessary to make additional prints and copies of several.

The School Service has been maintained by the Museum staff with the assistance of selected senior students from the Auckland Teachers' Training College. It was thus possible to arrange for the visits of school classes and provide them with guide lectures and demonstrations with specimens, slides, and films. In 1936 the six students who assisted in this way were Miss A. E. Thompson and Messrs. J. G. Cowperthwaite, P. D. Horne, L. G. Spiller, E. G. Turbott and R. Waddell. Without exception they all rendered valuable assistance, and by their interest and industry contributed to the progress of the educational work and some improvements in method. Thanks are due to Mr. D. M. Rae, Principal of the Auckland Teachers' Training College, for thus enabling us to keep the School Service in operation.

Thirty-three school cases and about 10 smaller boxes were kept in circulation to city and suburban schools as loan collections.

R. A. FALLA.

Botanist.

After returning from Sweden in May much time was necessarily spent in routine work in the herbarium, in supervising the series of Sunday afternoon lectures, in giving 17 lectures personally, in organising the Cheeseman Memorial Spring Show of Native Flowers, which absorbed at least one month, and in planning new displays, which took another three months, the first results being a series of four panels to serve as an introduction to the plant kingdom.

Identifications and answers to enquiries absorbed an astonishing amount of time; to stem, or perhaps rather to direct, this tide a popular booklet, "The Botany of Auckland," with lists of species

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and localities was prepared in December with the assistance of Professor A. Wall. An account of the plant life of the Coromandel Ranges was also prepared for the Jubilee booklet of the Coromandel County Council.

In indexing the Herbarium, help has been given by various enthusiasts, including the Misses B. and A. de Berry, Pauline Buddle and Master Richmond Afford. Part of the Phillips Turner collection has been mounted and will be incorporated in the general collection, together with the Mathews and Cockayne herbaria, as opportunity occurs. Although field work was very limited, 550 sheets (mainly of seaweeds) from the Poor Knights Islands have been added to the collections as a result of a visit with Mrs. A. R. Pickmere, Miss K. Pickmere and Miss L. B. Moore in February of this year. Much assistance has also been given by Master J. Ronaldson in mounting a permanent collection of New Zealand pollens, and by Mr. W. E. Long and Mr. Ross Tilly in keeping the Native Plant Table supplied with fresh specimens.

The chief local accessions include two sets of New Zealand liverworts from Mrs. E. A. Hodgson and Mr. K. W. Allison, and the Phillips Turner collection of native plants. The following sets have come from abroad:— (1) Seaweeds: 104 species from Professor H. Kylin; 314 species from the Natural History Museum, Stockholm; and 130 New Zealand species of Berggren's collecting from Professor C. Skottsberg. (2) 59 species of Magellan plants (1851-53) from Professor C. Samuelsson, also from the Natural History Museum, Stockholm. (3) A collection of Lord Howe Island plants from Captain J. D. McComish; and (4) splendid display material of cycads from the Adelaide Botanical Gardens.

The Native Flower Show held from September 26th to 30th opened with a broadcast speech by Mr. E. Phillips Turner, F.L.S., F.R.S.N.Z. Despite the poor season three halls were filled, the children's exhibits being very fine. Prizes of books and plants to the value of £20 were distributed. New features were the country schools' competitions, the exhibits of flowers grown by the Titirangi Beautifying Society and the Auckland Railway Department, and a splendid exhibit of potted plants contributed by the Parks Department of the Auckland City Council. Much assistance was given by Miss M. Holloway, Mr. K. Thompson, Mr. E. Coulthard and other nature-lovers. The attendance was 4,383.

Arrangements were made for a Botanical Evening at which Mr. O. Gore-Adams spoke on "The Gardens of Egypt," with colour-film illustration. Notable visitors who referred to the collections were Professor Lloyd of Montreal, and Mrs. Bixby Bryant, Director of the Santa Ana Arboretum, California.

Two joint papers were published, one with Miss L. B. Moore, M.Sc., on "Kauri in Montane Forest on Te Moehau," Journ. Sci. and Tech. Vol. 18, No. 6, and one with Professor L. von Post, "Pollen Diagrams from the Southern Hemisphere: (1) New Zealand" (Geografiska Annaler, Stockholm, Jan.). A review of Wodehouse's text book, "Pollen Grains," was contributed to the Journal of Science and Technology. In January a paper on "The Application of Pollen Analysis to New Zealand Peats" was prepared for the Science Congress.

Finally, the writer took part in Arbor Day observances, served on the Committee for the proposed Waitakere Park, on the Museum Scenery Preservation Committee, and acted as Honorary Botanist to the Devonport Domain Board.

L. M. CRANWELL.

Conchology and Palaeontology.

The work of providing new displays and preparing and labelling the reference collections of mollusca, marine invertebrates, fossils and fishes has proceeded steadily throughout the year.

New displays are—two further cases of New Zealand fishes in which a conventionalised underwater background has been achieved by the use of appropriate wallpapers and materials suggestive of the sea bottom. Another case deals with marine organisms destructive to timber; here again wallpaper with a conventional criss-cross pattern in greens has been used which gives the impression of the light effects on the water caused by the reflections of piles and braces. A further case acts as an introduction to the foreign palaeontology exhibits and deals with the geological history of the earth as well as defining fossils and showing their uses both in geology and in tracing the evolution of animals. The fifth new exhibit, "The Uses of Shellfish" (see illustration) was prepared under the Carnegie scheme for the interchange of Museum exhibits and is now in circulation.

An unusually large number of accessions were recorded, particularly in New Zealand fishes, some outstanding items being the large broadbill swordfish caught by Mr. H. W. Burch. This fish, which weighed 620 lbs., was 13 feet 8 inches long, and is being prepared for exhibition. Other interesting fishes were presented by Messrs. Sanford Ltd. and Messrs. M. and J. Vella. Several,

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the "cornet-fish," "smooth or oblong sunfish," and the "Samson fish," make records new to the New Zealand fauna. The palaeontological collections have been enriched by the purchase of a very large and important collection of New Zealand, Australian and European Tertiary Mollusca, which includes 250 holotypes of recently discovered species. Other notable accessions were a collection of otoliths or "ear-bones" of New Zealand fishes presented by Mrs. F. Webster, and a large collection of Mollusca from Western Samoa presented by Dr. J. Scaife Armstrong.

Further satisfactory progress was made with the identification and labelling of the reference collection of mollusca, over 2,000 lots being treated; and the reference collection of marine invertebrates, contained in 1,067 jars, has been completely overhauled, new preservative and labels being added.

Ten lectures were given during the year. Also twenty meetings and six field trips of the "Museum Conchology and Marine Natural History Club" were held, the average attendance at the evening meetings being eighteen.

The following papers have been completed during the year:—

"The Paryphantidae of New Zealand. III. Further New Species of Paryphanta and Wainuia." Rec. Auck. Inst. Mus.

"A New Starfish of the genus *Asterodiscus*." Trans. Royal Soc. N.Z.

"Marine Fishes New to New Zealand, including the description of a new species of *Halieutaea*." Trans. Royal Soc. N.Z.

"Animal Communities of the Sea Bottom in Auckland and Manukau Harbours." Trans. Royal Soc. N.Z.

The last mentioned paper was read at the Auckland meeting in January of the Australian and New Zealand Association for the Advancement of Science. As the Secretary of the Zoology Section for the Auckland Meeting of the Australian and New Zealand Association for the Advancement of Science, a considerable amount of time was devoted to arranging programmes and also to organising various activities of the section.

Over 1,000 enquiries were dealt with, being considerably in excess of the totals for previous years. This increase may be due in part to the considerable public interest stimulated by the numerous new fish records obtained during the past year.

A. W. B. POWELL.

Ethnologist.

During the year 1,027 specimens were added to the collections. Special interest is attached to the following accessions. A Gilbertese model racing canoe, presented by Commander J. B. Hall; a large collection of Gilbertese specimens, deposited by Mr. and Mrs. H. E. Maude; an extensive collection of Central American antiquities, presented by Mr. Geo. E. Hyde; a large greenstone *hei tiki*, two large *patu onewa* and a number of stone adzes and pounders from Rapa Island, presented by Mr. E. E. Vaile; a selected number of New Guinea specimens from Mr. F. E. Williams; human mandible, skull and bronze age implements from Dr. G. B. Palmer; a very fine *kaitaka* cloak from Lieut.-Colonel W. E. C. Hood; and a decorated gourd from Miss Z. O. Lloyd.

Numerous rearrangements and additions have been carried out in the Maori, Polynesian and Melanesian sections. The greater part of this work was efficiently performed by Miss Rutherford and is referred to in her own report. Material displayed not referred to in that report include a Gilbertese collection, a collection of casts of Maori objects in the British Museum, a display of Maori fish-hooks and many minor additions to the foreign ethnographical section.

In addition to conducting instructional visits to the Maori and Pacific Island Halls, ten lectures were delivered to outside organisations and two classes arranged for the pupils from the Institute for the Blind. A Maori project was prepared and supervised for a cultural group from the Auckland Grammar School. Projects were also drawn up on (a) "Maori Life," for the Auckland Training College; and (b) "Native Life in the Pacific," for the Grammar School. Advice was tendered to several local institutions and schools concerning ethnographical material, and also to local bodies on such items as Maori street names, Maori mottoes, local Maori history, Maori tree planting methods at an Arbor Day function, etc. As Hon. Secretary of Section F (Anthropology) of the Australian and New Zealand Association for the Advancement of Science much time was involved arranging a programme and organising the work of the Section. During the Science Congress many visiting ethnologists were conducted through the exhibition halls and the research room.

Thirty-six meetings were held by the Boys' Ethnological Club, which has a membership of 20. A field day was held at Korekore *pa*, Muriwai, and 14 members attended a week-end at Swanson, where instruction was given in Maori plant lore and primitive pottery making methods. Several of the senior members have assisted with the work of the Department in an honorary capacity.

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Various societies continue to avail themselves of loan material and lantern-slides for demonstrations and lectures. The collection of slides has been appreciably increased during the year.

Much time was spent improving the storage of the extensive study collections in the research room and attending to their preservation. The adzes from the South Island were localised. A large new cabinet to accommodate Maori adzes was made available and half of the Maori adze collection was transferred thereto. Many Melanesian specimens were localised and a portion of the African collection re-sorted. An exchange of skeletal material was made with the Royal Dental Hospital, London.

Field-work was confined to a short period at Tauranga. Research carried out during the period included the publication of a paper on "The Material Culture of Oruarangi, Matatoki, Thames. III. Stone Implements and Ornaments," in Volume II., No. 1, of the Museum Records, and the reading of a paper on "The Northern Maori Culture Area," before Section F (Anthropology) of the Australian and New Zealand Association for the Advancement of Science. A week was spent at the Dominion Museum, Wellington, where the exhibited material and methods of display were studied, and also the Maori research material, with particular reference to the Bollons Collection.

The number of interviews from persons seeking information totalled 507, besides enquiries from other sources.

V. F. FISHER.

Assistant Ethnologist.

The year has been devoted to a series of experiments in methods of display. A special feature of this work has been the use of decorative backgrounds which, combined with simple arrangements of related specimens, form units illustrating phases of native life in Polynesia, Melanesia and New Zealand.

A three-panel exhibit, "The Life of a New Guinea Village," was an attempt to arrange specimens in related groups against a panelled background. This method has since been adapted to other types of exhibits.

Areas dealt with included New Zealand, Solomon Islands, Santa Cruz, New Hebrides and New Caledonia. In the Maori Hall a display has been arranged as an introduction to Maori clothing, and another illustrating death customs has been completed.

O. M. RUTHERFORD.

Associate Geologist.

During the year some 60 specimens have been forwarded for identification and several small collections of mineral and rock specimens suitable for study purposes have been received.

In the halls a panel has been arranged dealing with the sulphur deposits of New Zealand, with special reference to White Island, and a three-panel display dealing with our coal mining industry has been completed. In the latter connection the general conditions leading to the formation of coal in its various forms are dealt with in an introductory panel, and the operation of these conditions in actual practice in the past is then traced through descriptive panels dealing in detail with three typical mining districts—North Auckland, Waikato and West Coast. The succession of strata and the relationships between coal measures and associated strata in each district is illustrated by almost complete ranges of specimens.

Work is now well in hand with a comprehensive display covering the geology of the area within a radius of 40 miles from Auckland City. This has included the compilation of a geological map of the area and a detailed map of the volcanic centres around the city. Both of these have involved an appreciable amount of field work and mapping to bring previous information of the area up to date.

C. W. FIRTH.

Library.

There has been an expenditure of £276/16/10 on the library during the year—purchase of books £143/3/7, subscriptions to periodicals £94/8/6, binding and sundries £39/4/9.

One hundred and twenty-four books have been purchased and 272 have been received by gift, making a total of 396 additions for the year. A detailed list of the donors is given in the Appendix. Special reference should be made to Mrs. T. G. Russell's gift of 235 volumes of Chemical and Physical works from the library of her father, the late Professor Brown. They will form an addition of considerable importance to the library of the Institute.

The magazines and serial publications subscribed to by the Institute, a list of which will be found in another part of the Report, have been regularly received and have been available for the use of members in the library.

It is gratifying to note that our "Records" are greatly appreciated, in response to which we have received over 150 publications from local and overseas Societies.

I am pleased to report that the library is becoming more popular every year, both for reading and reference.

I wish to again acknowledge the assistance given by Mr. E. W. F. B. L. Hendricks in cataloguing and cross-indexing.

MARSHALL C. CLELAND.

The following
Periodicals and Publications of Societies
are subscribed to by the Institute:

NATURE.
DISCOVERY.
SCIENCE PROGRESS.
REPORT OF THE BRITISH ASSOCIATION FOR THE
ADVANCEMENT OF SCIENCE.
TRANSACTIONS AND PROCEEDINGS OF THE ROYAL
SOCIETY.
COMPTES RENDUS DES SEANCES DE L'ACADEMIE DES
SCIENCES.
NEW ZEALAND JOURNAL OF SCIENCE AND TECHNOLOGY.
THE MUSEUMS JOURNAL.
THE PHILOSOPHICAL MAGAZINE.
THE AMERICAN JOURNAL OF SCIENCE.
THE PHYSICAL REVIEW.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL
SOCIETY.
JOURNAL OF THE CHEMICAL SOCIETY.
ARCHIV DER PHARMAZIE.
CHEMICAL REVIEWS.
MONATSHEFTE FUR CHEMIE.
THE INDUSTRIAL CHEMIST.
THE GEOLOGICAL MAGAZINE.
QUARTERLY JOURNAL OF THE GEOLOGICAL SOCIETY.
THE GEOGRAPHICAL JOURNAL.
ANNALS AND MAGAZINE OF NATURAL HISTORY.
ANNALS OF BOTANY.
JOURNAL OF BOTANY.
DAS PFLANZENREICH.
TRANSACTIONS AND PROCEEDINGS OF THE ZOOLOGICAL
SOCIETY.
THE ZOOLOGICAL RECORD.
PUBLICATIONS OF THE RAY SOCIETY.
THE IBIS.
MAN.
JOURNAL OF THE ROYAL ANTHROPOLOGICAL INSTITUTE.
ANTIQUITY.
JOURNAL OF EGYPTIAN ARCHAEOLOGY.
OCEANIA.
JOURNAL OF THE POLYNESIAN SOCIETY.
TE WANANGA.
ART IN NEW ZEALAND.
MIND.
THE ECONOMIC JOURNAL.
THE ECONOMIC RECORD.
JOURNAL OF THE STATISTICAL SOCIETY.
QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL
SOCIETY.
THE JOURNAL OF ECOLOGY.
MANKIND.
COUNTRY SIDE.
THE GEOGRAPHICAL MAGAZINE.

The Auckland Institute and Museum is an educational institution which gives free service to the whole community throughout the year.

Money is urgently needed to widen its activities and increase its service to the community by the spread of knowledge among present and future citizens.

If additional help cannot be given now, a bequest would be of great value.

Form of Bequest.

I give and bequeath to the Institution known as the Auckland Institute and Museum the sum of £..... free of succession or estate duty to be applicable for the general purposes of such Institution. And I declare that the receipt of the Treasurer or the proper officer for the time being of such Institution shall be a sufficient discharge for the same.

AUCKLAND INSTITUTE AND MUSEUM.

RECEIPTS AND PAYMENTS

During the Year Ended 31st March, 1937.

	£	s.	d.		£	s.	d.
To Balance	1,634	19	7	By Salaries and Wages	5,611	16	1
" Subscriptions	295	18	0	" Insurance	40	3	9
" Subscriptions in Advance	10	10	0	" Library Expenses	276	16	10
" Life Members	21	0	0	" Institute Expenses	154	12	11
Interest—				" Specimens—			
Mortgage	801	16	11	Purchase	282	17	6
Debtenture	606	5	8	Collecting and Travelling Expenses	39	3	2
Inscribed Stock	59	16	6	" Preserving and Display Expenses	177	18	15
Auckland Gas Coy.	63	13	2	" School Services Publications	298	17	4
Post Office Savings Bank	31	10	0	" General Maintenance	594	6	0
Contributions from Local Bodies	5,700	0	0	" Buildings—			
Sundry Receipts	52	14	9	Maintenance	147	8	3
Donations	157	2	3	" Sundry Expenses	19	13	0
Contributions Specimen Purchase	93	8	6	" Show Cases and Furniture	297	18	4
Contributions Shrine Account	40	16	1	" Auckland Museum Maintenance Amendment Act, 1931 (Sec. 37)—			
				Gratuity to Librarian	25	0	0
				Entertainment Expenses	5	11	3
				Wreaths	4	4	0
				Luncheon (Congress)	25	0	0
				" Transfers—			
				Building Reserve	200	0	0
				Specimen Reserve	25	0	0
				Life Subscription Account	21	0	0
				Specimen Purchase	93	8	6
				Shrine Account	49	16	1
				" Balance	1,188	0	0
	£9,569	11	5		£9,569	11	5

INCOME AND EXPENDITURE ACCOUNT.

For the Year Ended 31st March, 1937.

EXPENDITURE.			INCOME.		
	£	s. d.		£	s. d.
To Salaries	5,611	16 1	By Subscriptions	409	16 6
.. Insurance	40	3 9	.. Life Members	21	0 0
.. General Maintenance	594	0 7	.. Interest Mortgages and Debentures	1,502	4 4
.. School Services and Education	62	2 1	.. Memorial Hall and Specimen Purchase	134	4 7
.. Institute Expenses	153	7 8	.. Contributions from Local Bodies	5,700	0 0
.. Auckland Museum Maintenance Amendment Act, 1931 (Sec. 37)	59	15 3	.. Donations	157	2 3
.. Sundries	19	13 0	.. Sundry Receipts	52	14 9
.. Building Maintenance	151	5 11	.. Auckland Gas Coy.	63	13 2
.. Subscriptions Written Off	12	12 0	.. Post Office Savings Bank	31	10 0
.. Transfers—			.. Balance	567	10 3
.. Life Subscription Capital Account	21	0 0			
.. Memorial Hall Trust Fund	40	16 1			
.. Specimen Purchase	93	8 6			
.. Depreciation Building	1,084	17 3			
.. Depreciation Furniture	694	17 8			
	£8,639	15 15		£8,639	15 10

MUSEUM ENDOWMENT ACCOUNT.

	£	s. d.	£	s. d.		£	s. d.	£	s. d.
To Balance 31/3/37—					By Balance 1/4/36—				
.. Investments	13,507	2 0			.. Investments	13,657	0 0		
.. Cash at Bank	275	3 8			.. Cash at Bank	125	5 8		
	13,782	5 8				13,782	5 8		
.. Less Reserve for Depreciation	271	5 5			.. Less Reserve for Depreciation	271	5 5		
			13,511	0 3				13,511	0 3
			£13,511	0 3				£13,511	0 3

LIFE MEMBERS' SUBSCRIPTION ACCOUNT.

	£	s.	d.		£	s.	d.	£	s.	d.
To Balance 31/3/37—				By Balance 1/4/36—						
Investments	2,056	0	0	Investments	2,056	0	0			
Cash at Bank.. .. .	347	1	5	Cash at Bank.. .. .	326	1	5			
								2,382	1	5
				.. Transfer from Income and Expendi- ture Account				21	0	0
								£2,403	1	5
	£2,403	1	5							

ACCUMULATING ENDOWMENT FUND.

	£	s.	d.		£	s.	d.
March 31st, 1937—				April 1st, 1936—			
To Balance	309	8	7	By Balance	300	8	7
				March 31st, 1937—			
				By Interest	9	0	0
	£309	8	7				
					£309	8	7

MACKECHNIE LIBRARY BEQUEST ACCOUNT.

	£	s.	d.		£	s.	d.
March 31st, 1937—				April 1st, 1936—			
To Receipts and Payments Account	102	18	0	By Balance	12	18	10
By Balance	13	6	1	March 31st, 1937—			
				By Interest	103	5	3
	£116	4	1				
					£116	4	1

SIR JAMES GUNSON TRUST ACCOUNT.

	£	s.	d.		£	s.	d.
March 31st, 1937—				April 1st, 1936—			
To Balance	181	19	6	By Balance	176	13	10
				March 31st, 1937—			
				By Interest	5	5	8
	£181	19	6		£181	19	6

MEMORIAL HALL TRUST FUND.

	£	s.	d.		£	s.	d.
March 31st, 1937—				April 1st, 1936—			
To Balance	234	6	2	By Balance	187	17	10
				March 31st, 1937—			
				By Transfer	40	16	1
				„ Interest	5	12	3
	£234	6	2		£234	6	2

SPECIMEN PURCHASE FUND.

	£	s.	d.		£	s.	d.
March 31st, 1937—				April 1st, 1936—			
To Balance	414	8	8	By Balance	315	9	2
				March 31st, 1937—			
				By Transfer from Sundry Receipts	93	8	6
				„ Interest	5	11	0
	£414	8	8		£414	8	8

AUCKLAND INSTITUTE AND MUSEUM.

BALANCE SHEET as at 31st March, 1937.

LIABILITIES.		ASSETS.	
	£ s. d.		£ s. d.
Capital Account	422,093 1 5	Buildings—	
Museum Endowment Account	13,511 0 3	1st April, 1936	216,972 6 11
Reserve for Depreciation of Investments	271 5 5	Less Depreciation	1,084 17 3
Life Members' Subscription Capital A/c.	2,403 1 5		215,887 9 8
Gunson Trust Fund	181 19 6	Furniture and Fittings—	
Mackechnie Bequest Fund	13 6 1	1st April, 1936	27,497 8 2
Sundry Creditors	33 5 3	Additions	297 18 4
Subscriptions Paid in Advance	10 10 0		27,795 6 6
Memorial Hall Trust Fund	234 6 2	Less Depreciation	694 17 8
Building Reserve Fund	1,295 10 3		27,100 8 10
Specimen Reserve Fund	132 13 8	Collections—	
Specimen Purchase Fund	414 8 8	1st April, 1936	154,882 16 5
Accumulating Endowment Fund	309 8 7	Additions	756 0 0
Mitchelson Prize Fund	53 11 3		155,638 16 5
		Library Books—	
		1st April, 1936	7,595 6 10
		Additions	276 16 10
			7,872 3 8
		Investments—	
		Mortgages	14,150 0 0
		Debentures	9,281 0 0
		N.Z. Inscribed Stock	3,049 12 0
		Australian Commonwealth Stock	1,982 10 0
			28,463 2 0
		Sundry Debtors—	
		Interest	354 6 9
		Subscriptions	145 19 0
		Cash—	
		Bank of New Zealand	701 3 9
		Post Office Savings Bank	2,114 8 5
		Auckland Savings Bank Accounts	1,578 7 1
		Auckland Gas Coy.	500 0 0
		Cash in Hand	1 10 0
		Income and Expenditure Account—	
		Balance 31/3/37	567 10 3
		Plus Appropriation to—	
		Building Reserve	200 0 0
		Specimen Reserve	25 0 0
			792 10 3
		Less Balance 1/4/36	192 17 11
			599 12 4
			£440,957 7 11
	£440,957 7 11		£440,957 7 11

A. W. B. POWELL, Acting-Treasurer.

List of Benefactions
made to the
Auckland Institute and Museum
of an amount (or value) exceeding £50.

MONETARY GIFTS.

- 1876 Citizens of Auckland subscribed £2,026 towards first Museum building.
1878 Mr. J. C. Firth donated £106 for show cases.
1884 Mr. Edw. Costley bequeathed £12,150.
1887 Mr. David Nathan bequeathed £100.
1897 Mr. T. Russell donated £100 for geological specimens.
1901 Citizens of Auckland subscribed £1,000 for purchase of Mair collection.
1902 Mr. E. A. Mackechnie bequeathed £2,500.
1906 Citizens of Auckland subscribed £662 for purchase of Maori carved houses.
1911 Citizens of Auckland subscribed £684 for ancient Maori carvings.
1913 Sir John Logan Campbell bequeathed £1,000.
1921 Members of Institute subscribed £115 for pair of Temple Bronzes.
1923 Sir Wm. H. Herries bequeathed £1,000.
1924 Citizens of Auckland subscribed £698 for purchase of Maori collections.
1925 Members of Institute subscribed £100 for purchase of a Maori collection.
1926 Mr. David Goldie bequeathed £1,000.
1926 Sir James Gunson Presentation Committee presented £118 for purchase of Maori specimens.
1927 Mr. F. Shaw bequeathed £1,000.
1929 Mr. S. J. Ambury bequeathed £250.
1934 Mrs. R. M. Wilson: £50/10/-, given to establish the Sir Edwin Mitchelson Prize Fund.

SPECIMENS AND BOOKS.

- 1876 Mr. R. C. Barstow: Large collection of Maori articles.
1877 Mr. G. F. Edmonston: 564 volumes of scientific works.
1878 Mr. T. Russell, C.M.G.: 34 casts from the antique.
1879-83 Mr. J. T. MacKelvie: 390 books and large ethnographical collection.

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- 1887 Mr. C. O. Davis: Valuable Maori collection.
- 1901 Mr. L. D. Nathan: Japanese Shinto Shrine.
- 1913 Mr. Henry Shaw: 62 scientific books.
Mr. F. Shaw: 110 scientific books.
Hon. Sir Edwin Mitchelson: Valuable collection of Kauri Gum and Case.
- 1915 Dr. C. E. R. Bucknill: Collection of Old English Glass.
- 1916 Mr. Henry Shaw: Collection of Japanese art.
- 1917 Miss Ruth Northcroft: Large Maori and Polynesian Collection
- 1919 The Misses Yates: Collection of Indian weapons.
- 1920 Mr. James Dunning: Collection of North American Mammals.
- 1921 Mr. W. A. Aldred: Valuable collection of Maori specimens.
Hon. J. B. Turner: Large and valuable Fijian ethnographical collection.
- 1923 Mr. T. F. Cheeseman, F.L.S., F.N.Z.Inst.: The Cheeseman Herbarium of native and foreign plants.
- 1924 Mr. Wm. Sutherland, I.S.O.: Melanesian ethnographical collection.
Mr. A. C. Caughey: Fijian and New Hebridean ethnographical collection.
Mr. R. A. Meek: Ethnographical specimens from Bismarck Group.
Messrs. Samuel Vaile & Sons: Large collection of Maori greenstone articles.
Sir Cecil Leys: and
Mrs. Selwyn Upton: The Edge-Partington ethnographical collection of over 2,000 specimens, given in memory of their father, Dr. T. W. Leys.
- 1925 Mr. F. Crossley Mappin: Valuable Maori and South Pacific exhibits.
- 1926 Mr. Geo. F. Webster: Valuable Maori antiquities.
Mr. H. R. Butcher: Collection of British coins.
Mrs. E. M. Ball: The Thos. Ball Zoological collection.
Mr. F. Crossley Mappin: Ancient Chinese ceramic specimens.
- 1927 Mr. F. Crossley Mappin: Valuable Maori carvings.
Mr. Moss Davis: Collection of valuable ethnographical specimens.
- 1928 Sir Cecil Leys and
Mrs. Selwyn Upton: Unique and richly carved feather box.
Mr. J. R. Adams Wilkes: Ethnographical collections from Nigeria and New Guinea.
Mr. Harry Kinder: The Dr. Kinder Collection—Maori and Melanesian.
Mr. E. Earle Vaile: Important collection of Maori stone carvings and collection of Eastern ethnographical specimens.
Mrs. S. J. Lushington: Large and important collection of mollusca.
- 1929 Mr. T. H. Barstow: Maori canoe prows and stern posts.
Mr. W. R. McGregor: New Ireland carved memorial figures.

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- Mrs., Miss and Mr. A. N. Cooper: The Charles Cooper collection of mollusca.
- Rev. W. H. Webster: Large collection of N.Z. and foreign mollusca.
- Mr. C. E. Clarke: Large collection of N.Z. Insects.
- Executors Mr. W. M. Cole: Collection of Stone and Bronze Age Artefacts.
- Miss Webster and Mr. G. F. Webster: Water-colour drawings of the Solomon Islands.
- 1930 Mr. John Kenderdine: Large collection of books and pamphlets, including many rare works relating to the early history of New Zealand.
- Mr. H. E. Vaile: Addition to the Vaile Collection of a large collection of selected Maori implements and greenstone ornaments.
- Mr. Moss Davis: Selected Maori exhibits, including an old Maori model canoe; also porcelain and ivory exhibits.
- Mr. L. J. Matthews: Two specimens of Moa eggs, one perfect and the other nearly so.
- Dr. L. Cockayne, C.M.G., F.R.S.: A large collection of N.Z. Plants.
- 1931 Sir Cecil Leys and.
- Mrs. Selwyn Upton: Valuable Maori antiquities; addition to the Dr. T. W. Leys Collection.
- Mrs. S. J. Lushington: Collection of valuable Silver and Sheffield Plate.
- Mrs. A. C. Lennard: A large collection of English porcelain.
- 1932 Mr. H. S. Dadley: Large and valuable collection of Oriental Arts.
- Mr. Moss Davis: Collections of early British Gold and Silver Coins and of European Ivory Carvings and Bronzes.
- Hon. Sir James Parr: Collection of Gold and Silver Mementoes of public events in New Zealand, together with case for their display.
- 1933 Vaile Collection: Additional gift of a large collection of valuable Maori antiquities.
- Mr. W. Goodfellow: An extensive ethnographical collection from Northern Melanesia.
- 1934 Miss Eleanor Brown and Mrs. Geo. Brownlee: Collection of heirlooms of the Ngati-toa and Ngati-awa Tribes.
- Messrs. R. B. and G. Matthews: The H. B. Matthews Herbarium.
- 1935 Mr. F. Crossley Mappin: Maori Specimens, including hand-somely carved sternpost.
- The Admiralty: Model of H.M.S. New Zealand.
- 1936 Captain G. Humphreys-Davies: Large and valuable collection of Chinese Pottery Figures.
- Mrs. T. G. Russell: 235 volumes of Chemical and Physical Works from the library of her father, the late Professor Brown.
- Mr. E. Earle Vaile: Valuable Maori hei-tiki and Rapa Island stone artifacts.

GIFTS TO THE Library and Museum.

LIBRARY.

PERIODICALS.

- New Zealand Parliamentary Papers and Reports: Hansard, 1936; Monthly Abstract of Statistics, 1936; New Zealand Journal of Agriculture, 1936; Year Book, 1936.
- Publications of the Free Library and Art Gallery Auckland.
- Bulletins of the Auckland Society of Arts.
- Publications of the Auckland University College.
- Journal of the Alpine Sports Club, Auckland.
- Fisheries Bulletins, the Marine Department, New Zealand.
- Bulletins of the New Zealand Geological Survey.
- Publications of the Cawthron Institute, Nelson.
- Bulletins of the Dairy Research Institute, New Zealand.
- Records of the Canterbury Museum, New Zealand.
- Bulletins of the New Zealand Libraries Association, Christchurch.
- Publications of the Council of Scientific and Industrial Research, Wellington.
- Bulletins of the Alexander Museum, Wanganui.
- Bulletins of the Auckland Zoological Society.
- Queensland Government Mining Journal.
- Publications of the Australian Inst. of Anatomical Research, Melbourne.
- The Australian Naturalist, Sydney.
- The Victorian Naturalist, The Field Naturalist Club of Victoria.
- Transactions and Proceedings of the Royal Society of South Australia.
- Publications of the Council of Scientific and Industrial Research, Melbourne.
- Records and Memoirs of the Australian Museum.
- Bulletins and Reports of the Technological Museum, Sydney.
- Proceedings of the Royal Society of Queensland.
- Memoirs of the Queensland Museum.
- Proceedings of the Linnean Society of New South Wales.
- Proceedings of the Royal Society of Victoria.
- Journal of the Royal Society of New South Wales.
- Report of the Fisheries of New South Wales.
- Bulletins of the New South Wales Department of Agriculture.
- The Australian Zoologist.

Records of the South Australian Museum.
Memoirs of the National Museum, Melbourne.
Publications of the National Herbarium of Victoria.
Reports of the Great Barrier Reef Committee, Brisbane.
Bulletins of the Geological Survey of West Australia.
Proceedings of the Royal Society of Tasmania.
Transactions of the Fijian Society, Suva, Fiji.
Bulletins of the Imperial Institute, London.
Publications of the National Museum of Wales.
Proceedings and Reports of the Belfast Natural History and Philosophical Society.
Publications of the Conchological Society of Great Britain and Ireland.
Proceedings and Reports of the Manchester Literary and Philosophical Society.
Publications of the Manchester Museum.
Kew Bulletin.
Quarterly Bulletins and Reports of the Leicester Museum and Art Gallery.
Proceedings of the Royal Society of Edinburgh.
Proceedings of the Linnean Society of London.
Journal of the Marine Biological Association, Plymouth.
Bulletins of the International Tin Research and Development Council, London.
Bulletins and Reports of the Valetta Museum, Malta.
Records of the Indian Museum, Calcutta.
Publications of the Colombo Museum, Ceylon.
Annals of the Transvaal Museum.
Annals of the Natal Museum.
Occasional Papers of the Rhodesian Museum.
Annals of the South African Museum.
Publications Fisheries Survey, Cape Town.
Annals of Durban Museum.
Bulletins of the Raffles Museum, Singapore.
Bulletins of the Botanic Gardens, Singapore.
Transactions of the Royal Society of Canada.
Museum and Art Notes, Vancouver Scientific Association.
Quarterly Reports of the Vancouver City Museum.
Bulletins and Reports, Department of Mines, Canada.
Bulletins of the Royal Ontario Museum.
Bulletins of the Royal Ontario Museum of Archaeology, Toronto.
Bulletins of the Royal Ontario Museum of Zoology, Toronto.
Proceedings and Transactions of the Nova Scotia Inst. of Science.
Bulletins of the Independent Biological Laboratories, Palestine.
Pacific Affairs: Mr. Archey.
Bulletins and Circulars: United States Department of Agriculture.
Publications of the Carnegie Institute.

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Publications of the Carnegie Institute of Washington.
Memoirs, Bulletins and Occasional Papers of the Bishop Museum, Honolulu.
The Volcano Letter: Hawaiian Volcano Observatory.
Natural History and Reports, American Museum of Natural History.
Publications of the Pacific Geographic Society, Los Angeles.
Publications of the American Midland Naturalist, Indiana.
Publications of the Southwest Museum, Los Angeles.
Studies in Natural History, The University of Iowa.
Proceedings of the California Academy of Sciences.
Proceedings and Bulletins of the United States National Museum.
Publications of the University of California.
Publications of the University of Pennsylvania, Philadelphia.
Zoological, Geological, Anthropological and Botanical Series: Field Museum
of Natural History.
Publications of the San Diego Society of Natural History.
Contributions from the Gray Herbarium of Harvard University.
Publications of the Charleston Museum, South Carolina.
Bulletins of the California State Fisheries.
Annual Report and Bulletins of the U.S. Bureau of Ethnology.
Publications of the Peabody Museum of Archaeology, Harvard University.
Botanical Papers: New York Botanical Garden.
Annals of the New York Academy of Sciences.
Bulletins of the Wagner Free Institute of Science, Philadelphia.
Publications of the State College of Washington.
Meteorological Studies: The Observatory, Harvard University.
Publications in Oceanography: The University of Washington.
Proceedings of the Academy of Sciences, Philadelphia.
Occasional Papers: The University of Michigan.
Journal of the Maryland Academy of Sciences.
Publications Biological Survey, The University of Oklahoma.
Bulletins, Museum of Comparative Zoology, Harvard.
Publications of the Chicago Academy of Sciences.
Marine Biology: Stanford University, California.
Publications of the Hispanic Society of America.
Publications and Bulletins of the School of Mines, Buenos Aires.
Publications of the San Miguel Observatory, Argentine.
Annals of the School of Mines, Brazil.
Bulletins of the Museum of Natural History, Montevideo.
Annals of the Museum of Natural History, Buenos Aires.
Annals of the Geological Institute of Mexico.
Annuaris Observatorio Nacional de Rio de Janeiro.
The Philippine Journal of Science, Manila.
Bulletins L'Institut Oceanographie, Monaco.
Bulletins de la Societe Etudes Oceaniennes Tahiti.
Publications of the Museum Nat. d'Histoire Naturelle, Paris.

Bulletins of the Zoological Society of France, Paris.
 Revista de la Academia de Ciencias, Madrid, Spain.
 Bulletins of the Italian Library, Rome.
 Bulletins of the Laboratorio Zool. Gen. and Agraria, Portici, Italy.
 Publications of the Societa Toscana di Science Naturali, Pisa, Italy.
 Publications of the Zoological Institute and Museum, Athens, Greece.
 Publications D'Océanographie Physique, Finland.
 Publications Das Museum Dur Volkerkune, Basel.
 Publications of the Danish Biological Station.
 Publications of the Adviser of Norwegian Fisheries, Bergen, Norway.
 Publications of the Natural History Museum, Stockholm.
 Bulletins of the University Library, Uppsala, Sweden.
 Proceedings of the Rjks Ethnograph Museum, Leiden, Holland.
 Bulletins and Memoirs of the Royal Museum of Natural History, Bruxelles.
 Bulletins du Jardin Botanique de l'Etat, Bruxelles.
 Annales de la Societe Royal Zoologique de Belgique.
 Publications of the Zoologischen Staatsinstitut Museum, Hamburg.
 Transactions of the Museum fur Volkerkunde, Hamburg.
 Transactions of the Zoological Museum, Berlin.
 Bulletins of the Deutsche Entomologisches Institut, Berlin.
 Transactions of the Zoologische Staats-Sammlung, Munchen.
 Publications of the Senckenbergischen Bibliothek, Frankfurt.
 Publications of the Naturhistorisches Museum, Wien, Austria.
 Annales of the National Museum, Budapest, Hungary.
 Publications of the Warsaw Zoological Museum.
 Comptes Rendus de l'Academie des Sciences de l'U.S.S.R., Moscow.
 Problems of Soviet Geology, Central Geological Library, Leningrad.
 Transactions of the Institute of Marine Fisheries, Moscow.
 Publications of the Society of International Cultural Relations, Tokyo.
 Publications of the Kyoto Imperial University, Japan.
 Publications of the Geological Survey of China.
 Bulletins of the National Library of Peiping, China.
 Bulletins of the Science Society of China, Nanking.
 Bulletins of the Metropolitan Library, Pekin.
 Exporters Directory 1936; Bureau of Commerce, Batavia, Java.

REPORTS.

Dominion Laboratory.
 Fisheries Reports, Wellington.
 Auckland Acclimatisation Society.
 Auckland Zoological Society.
 Wanganui Public Museum.
 The Canterbury Museum.
 New Zealand Council for Educational Research.

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Otago Public Museum.
Hawkes Bay Branch of the Royal Society of New Zealand.
The Philosophical Institute of Canterbury.
Fisheries Reports, Wellington.
Department of Scientific and Industrial Research, Wellington.
Public Library and Museum, Victoria.
The Free Public Museums, Liverpool.
Norwich Castle Museum.
Stoke on Trent Museum.
Mappin Art Gallery, Sheffield.
Public Libraries and Museum, Derby.
Yorkshire Philosophical Society.
Colchester and Essex Museum.
Queen Victoria Museum, Launceston, Tasmania.
Belfast Museum and Art Gallery.
National Museum of Ireland, Dublin.
The Rhodesian Museum.
John Crerar Library, U.S.A.
The Philadelphia Museum.
Carnegie Museum, Pittsburgh.
The American Museum of Natural History, New York.
The Egypt Exploration Society.
National History Museum, Geneva.
The Fisheries and Marine Biological Survey, Pretoria.
The Marine Biological Association of China, Nanking.

BOOKS.

Mr. C. J. O'Keeffe: Williams, Select Ferns and Lycopods; Hodgson, The Siege of Kumassi; Needham, The Solution of Problems; Baker, Ismailia; Gosling, Labrador; Spry, The Cruise of H.M. Ship "Challenger"; Hamilton, Easy Malay Vocabulary; Lane, Manners and Customs of the Modern Egyptians; Lewis, Essay on the Government Dependencies; Parkin, The Great Dominion Studies of Canada; Kirkby and Spence, An Introduction to Entomology; Boisragon, The Benin Massacre.
Mr. Harlow: Gudgeon, Defenders of New Zealand; Gudgeon, History and Traditions of the Maoris.
Mr. Pierard: Sherrin, Fishes of New Zealand; Marshall, Geology of New Zealand; Burr, Practical Surveying.
Mr. T. W. Mellor: Scott, An Introduction to Geology.
Dr. Scaife Armstrong: Insects of Samoa, Parts 1—9 with index.
Father Lavelle: Stokes, Early Christian Art in Ireland.
Mrs. Gilbert Wilson: Ruskin, The Poetry of Architecture; Maeterlinck, The Life of the White Ant.

- Mr. G. M. Mathews: Supplement to the Birds of Norfolk and Lord Howe Island.
- Mrs. J. F. Campbell: Racinet, La Costume Historique; Walmsley, Portraits of Distinguished Persons.
- Mr. Hodgkins: Six vols. of the Polynesian Journal.
- Mr. A. G. Lunn: "The Vagabond," Holy Tonga.
- Mr. F. E. Williams: Anthropology Reports, Territory of Papua.
- Sir A. W. Hill: Hooker, Icones Plantarum, Vol. 3, p. 4.
- Mrs. Payne: The Canterbury Chronicle.
- The Discovery Committee: Discovery Investigations.
- British Museum: Terra Nova Reports.
- Professor Percival Yetts: Set of most informative pamphlets on ancient culture of China.
- Mr. V. Rienaecker: "Oxford Lectures."
- Ferdinand V. Schiller: Hobson and Hetherington, Art of the Chinese Potter.
- Mr. G. W. Martin-Hurst: Williamson, The Book of Famille Rose.
- Lady Boyd-Dawkins: Branch and Leete, The "Bowes" Collection of Japanese Art.
- Dr. G. A. Waterhouse: Waterhouse and Lyell, The Butterflies of Australia.

GIFTS TO MUSEUM.

- Adelaide Botanical Gardens: Collection of Cycads.
- Mr. F. Anderson: Three stone adzes from Orton and Puni.
- Dr. H. H. Allan and Miss L. M. Cranwell: Nine sheets of plants from Manawatu River.
- Mr. W. Andrews: Two oyster shells with blister pearls.
- Anonymous: Solid ball of hair from stomach of cow, Moerewa.
- Mr. G. Archey: Stalagmite from limestone cave, Mahoenui; plaited fan from Cook Islands.
- Mrs. G. Archey: Grimwade Pottery Plate with Bairnsfather War picture: deposited.
- Dr. J. Scaife Armstrong: Large collection of mollusca from Western Samoa.
- Mr. J. E. Attwood: Chinese soap-stone ornament.
- Miss Auburn: Bush hawk from Raetihi.
- Mr. Fraser Baddeley: Two butterflies, *Hypolimnas bolina*, from Mt. Maunganui.
- Mr. W. Corbett Barker: Sample of early 19th Century Wallpaper from Luddesdown Court.
- Mr. T. Bassett: Parts I.-V. of Illustrated War News and reprint from "Daily Mail" giving account of battle of Ypres.
- Mr. W. B. Bindon: Bone one-piece hook with cord attached, from Horeke, Hokianga.
- Hon. T. Bloodworth: Moa gizzard stone.
- Mr. C. V. Blucher: Blue Moon butterfly, from Waihopo.

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- Mr. A. E. Blundell: Large wooden food-bowl and two pounders, from Wai-karetu: deposited.
- Mr. R. Bodley: Cones of *Pinus Coulteri*, from Gisborne.
- Mr. C. C. Brown: Maori ethnographical articles, from Tauranga.
- Mr. J. G. Brown: Stone adze, from Blockhouse Bay, Avondale.
- Mr. L. T. Brown: Wooden kumara weeder, from Matakana.
- Master W. E. Browne: Small wooden comb from Karekare, bow and arrows from New Guinea: deposited. Specimen of snake eel (*Ophisurus serpens*); Rosella parrakeet from Karekare.
- Mrs. M. Brunskill: Copy of Te Paki o Matariki, July, 1893: deposited.
- Mr. G. Buddle: Two geckos from Great Barrier Island.
- Miss Pauline Buddle: Fruit of Cape Silver Tree.
- Mr. H. B. J. Bull: Cock Amherst pheasant.
- Mrs. E. Burdoo: Old Chinese carved ivory fan: deposited.
- Mr. H. B. Burnett: Collection of ethnographical specimens; specimens of pearl shell from Tuamotu Island.
- Mr. R. H. Bush: Concretion from N. Hokianga.
- Mr. H. P. Butts: Uniform with mess kit of a Major, 18th Royal Irish Regiment.
- Mr. Buzio: Green lizard.
- Miss E. Catechon: Mounted specimen of Raggi's Bird of Paradise.
- Mr. R. D. Campbell: Rock containing carbonized wood.
- Mr. Campbell: Albino brown rat from Taupaki.
- Mrs. J. P. Campbell: Tanager (hen).
- Mr. Cyrus Cannon: Moriori toothed *patu*, from Chatham Islands.
- The late Mrs. Ada M. N. Carr: Pink marble animal figure from New Mexico; quartz of crystal containing a drop of water.
- Mr. Aubrey S. Chalk: Nests of Australian birds.
- Mr. C. E. Clarke: Stone adzes from Rarotonga.
- Capt. S. L. Coles: Captured German map.
- Mrs. F. Cooke: Collection of china.
- Master Garth Cooper: Blue Moon butterfly from Great Barrier Island.
- Mr. A. H. Copedo: Fern-root beater from Northern Wairoa.
- Mr. H. A. Cory Wright: Specimen of porcupine fish.
- Madame Creugnet: Young opossum.
- Mrs. F. A. Cribb: Nest of hedge sparrow, from Waihou.
- Mrs. A. M. Crowley: Two pine cones grown in North Canterbury: piece of obsidian.
- Mr. W. J. Crowther: Bank Myna from India.
- Miss V. M. Cussen: Two old silver spoons: deposited.
- Mr. W. Dale: Stone flax beater from Waitaramoa.
- Mrs. Rosena Dalziel: War Service Medals.
- Misses Nancy and Bunty Davies: Wooden snuff box.
- Mrs. W. Davy: Ceremonial hafted adze from Mangaia Island.

- Lady Boyd Dawkins: Collection of ethnographical specimens; Japanese tea jar; set of plates demonstrating enamelling on copper-cloisonne; four swords from Japan, and prehistoric ox remains.
- Mr. R. G. Dick: Stone adze from Mt. Eden.
- Discovery Committee: Collection of mollusca.
- Mr. A. E. Douglas: Red Cross flag flown at Wizerness, St. Omer.
- Commodore the Hon. E. R. Drummond: Pottery vases from Cyprus and Carthage.
- Mr. Dyer: Adult lamprey from Whangarei.
- Mr. P. van Emst: Samples of graded resins from Dutch East Indies.
- Mr. W. Evans: Fossil shark's tooth and gum in limestone.
- Mr. E. Fairburn: Species of New Zealand beetles.
- Mr. R. A. Falla: Mineral specimens from Tasmania.
- Mr. Walter Feltham: Stone adze from Rangitoto Island.
- Mr. M. E. Fitzgerald: Specimens of ducks and game birds, skin of Australian green-winged dove.
- Mr. C. A. Fleming: Eggs of Little Black Shag, specimen of Red Moki, scoriaceous obsidian.
- Mr. H. J. Fletcher: Maori ethnographical articles.
- Mr. C. Reginald Ford: Nuremburg Apostle Tumbler; wine flask; set of Spode porcelain dishes; Wedgwood trinket box and 18th Century Bristol glass decanter.
- Mr. Lloyd Francis: Small carved wooden figure.
- Mr. H. Franklin: Ethnographical specimens and box of coins; percussion cap revolver and muzzle loading pistol.
- Mr. E. T. Frost: Sub-fossil bird bones from Doubtless Bay.
- Miss Briar Gardner: Cinema film of the potter's art.
- Mrs. Harrison Gilpin: Maori ethnographical specimens.
- Mr. A. J. Gate: Specimen of bonito from Kutarere.
- Mr. Alexander Geddes: Carved bone thatching implement.
- Mr. Carl Geissler: Iron ore containing 88% iron, from Iron Knob, South Australia; two pearl shell spoons from S.E. New Guinea.
- Mr. B. Given: Spiny sea-horse, *Solegnathus spinosissimus*, from Matapouri Beach.
- Miss M. Given: Large vase of Bohemian glass: deposited.
- Mr. H. Goodsell: Small pumice pot with lid, Raglan.
- Mr. Geo. Graham: Fragments of plaited flax cord from Waikawau, Coromandel. Two Maori *muka kete* and one Melanesian kit: deposited.
- Mrs. E. D. Grant: Example of modern Taranaki Maori flax work.
- Master E. Greaney: Dendritic manganese from Kaneiri.
- Mrs. L. T. Griffin: Japanese knife in ivory sheath, W. African knife and kookry; white-fronted Amazon parrot: deposited.
- Mr. C. Grindrod: Three Red Admiral butterflies.
- Miss B. C. Gudgeon: Ethnographical specimens from Polynesia and New Guinea: deposited.

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- Mr. T. P. Gurney: Portland china breakfast set: deposited.
- Commander J. B. Hall: Model racing canoe with sail, from Gilbert Group; egg of Malau and carapace of turtle, from Nuafofua Island.
- Mrs. H. J. Hancock: "The Pakeha" magazine and soldier's rail ticket.
- Mr. G. A. Harlow: Two war medals.
- Mr. A. V. Harrison: Collection of coins: deposited.
- Mr. W. Harrison: Moa bones, pipe bowl, Maori adzes and zoological specimens.
- Miss Joan Hastings: Long-legged centipede.
- Miss Pat Hastings: Swimming-bladder of Globe fish.
- Mrs. E. Havell: Watch made in 1826.
- Mr. W. H. Hemingway: Platypus; mud-skipper from Queensland.
- Mr. A. Henley: Seven aviary birds.
- Mr. Richard Hoffman: Small artifact from Villendorf.
- Lieut.-Col. W. E. C. Hood: Kaitaka cloak.
- Mr. T. J. Horner: Specimen of carpet shark.
- Captain G. Humphreys-Davies: Important collection of Chinese pottery figures; map of the Somme, and war paper.
- Mr. C. Husband: Six Maori adzes, three war maps, and section of *Cupressus macrocarpa*.
- Mr. G. Rowland Hutchinson: Black-headed Troupial.
- Mr. Hyatt: Staffordshire pottery dessert plate.
- Mr. George E. Hyde: Large collection of Central American antiquities.
- Mr. Geo. F. Inglis: Collection of ethnographical articles and shells from Ambryn Island.
- Miss E. Jackson: Blue Moon butterfly, from Herne Bay.
- Master D. Johnston: Wooden bowl, from Kaitaia.
- Mr. Harry Johnston: Three specimens of rare land snail.
- Mr. Johnston: N.Z. Shoveller, from Waikato.
- Mr. J. A. B. Johnston: Kauri gum with included tree roots: deposited.
- Miss K. Keesing: Bohemian red and white glass tumbler.
- Mrs. Kenderdine: Bone needle, plaited fan and basket, and two uniform buttons.
- Mr. Henry Ah Kew: Carved bone cartridge filler: deposited.
- Mr. G. R. Kidson: Wings and skull of Greater Frigate Bird.
- Mr. E. Kingsley-Smith: Stone adze from Kawhia.
- Mr. J. H. Kinnear: Framed photograph of Barque "Rona" towed by tug "Young Bungaree."
- Lady Kinsey: Collection of military medals, bronze coins and objects of art; geological specimens.
- Messrs. A. Kohn, Ltd.: Silver Verge watch.
- Mr. E. S. Kohn: Bronze medal; war-time butterdish.
- Estate of late Dr. F. W. Lang: War medals.
- Mrs. L. P. Larkin: Models of crystals: deposited. Geological specimens.
- Mr. Leon Leahy: Small grooved sinker from Waiwera.

- Principal Lightkeeper, Mokohinau Island: Five lizards.
 Mr. T. Lloyd: Wooden club from Trobriand Island.
 Miss Z. O. Lloyd: Decorated gourd from Taranaki.
 Mr. H. R. Long: Yellow-bellied sea-snake.
 Dr. G. de Clive Lowe: Four diagrams.
 Mr. Lucas: Aviary birds.
 Miss C. E. Ludwig: Giraffe weevil, from Waerenga.
 Mr. A. G. Lunn: Block of beech timber from Winchester Cathedral, 1202; fossiliferous limestone core.
 Mr. H. A. Lurman: *Patu tuna* from Otorohanga.
 Mr. Arthur Lush: War souvenirs and ethnographical specimens.
 Miss Flora Macdonald: Collection of china and two leek work pictures.
 Dr. Frank Macky: Handle of *Ko* and fern-root beater.
 Mr. J. Mahon: William IV. Groat.
 Mr. Ilija Mandic: Two flags.
 Master Bob Martin: Young oblong sunfish from Bay of Islands.
 Mr. H. W. Mason: Box of tokens.
 Mata-atua Tribe: Taiaha, greenstone pendant and two adzes.
 Mr. J. S. Matthews: Example of early X-ray photography.
 Mr. and Mrs. H. E. Maude: Collection of Gilbert Islands ethnographical specimens: deposited.
 Mr. T. Maxwell: Rhododendron stump from Gallipoli.
 Mrs. A. May: Wooden fern-root beater and small stone pot.
 Mr. S. R. Mitchell: Two small discs of obsidian from Waihi Beach.
 Mr. C. H. Moltzen: War document.
 Mr. C. L. Monty: Model smithy: deposited.
 Miss E. Morrison: Cycad cones.
 Mr. C. G. Murdoch: Three small crockery pendants, from Hikutaia.
 Mrs. C. Musker: Fishing sinker.
 Captain J. D. McComish: Stone pounder and three adzes, from Tahiti.
 Master Joe McDonald: Section of cone enclosed in wood.
 Mr. F. E. McKenzie: Two Shoveller Drakes and one Grey Duck.
 Rev. J. A. McKenzie: Two shell circlets from Mangaia; stone adze from Rarotonga.
 Mr. J. H. McNeill: Specimens of Devonian brachiopods from Reefton.
 Miss Mollie Hardie Neil: Sea snake.
 Mr. F. Neve: "Flathead" fish from Muriwai.
 Mr. Geoff. Nevill: Greenstone chisel and butt of *onewa mere*.
 Mr. W. Newman: Butterfly from Freeman's Bay.
 Mrs. H. O. Nolan: Doll's dinner set, early 19th Century.
 Mrs. Ogle: Mine Clearance Service Badge: deposited.
 Mr. A. S. O'Neill: Ethnographical specimens from Chatham Islands, and sperm whale's tooth.
 Mr. E. J. Osborne: Aviary specimens.
 Otamatea Returned Soldiers' Club: New Zealand Rifle Brigade magazine.

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- Pastor C. A. Paap: Negatives illustrating African life.
- Dr. G. B. Palmer: Romano-British skull, Dorchester, England.
- Mr. W. L. Panther: Greenstone *toki* from Kaitaia: deposited.
- Mrs. Cunliffe Parker: Bronze figure.
- Pascoe's Quarries, Ltd.: Collection of assorted bones.
- Mr. Aubrey B. Patton: Chocolate sent by Queen Victoria to soldiers at Boer War.
- Mr. F. O. Peat: Collection of Maori ethnographical specimens.
- Estate of late Miss Ada G. Pharoah: Four English tapestries.
- Miss N. Phethean: Old English purse.
- Mrs. Pomeroy: Short-tailed Gecko.
- Miss D. W. Pound: Set of photographic enlargements.
- Mr. A. W. B. Powell: New species of Upper Oligocene fossils; ethnographical specimens.
- Mr. G. F. Pryce: German identification discs and ethnographical specimens.
- Mr. A. T. Pycroft: Ethnographical specimens and uniform of Royal West Surrey Regiment.
- Mr. W. Quigg: Roots affected by *Dactylanthus*.
- Mr. Oscar Raphael: Ying Ching bowl.
- Petty Officer V. Reed: Set of four barbadillios from Spain.
- Reid Rubber Co.: Piece of slightly carbonised wood and sample of sub-basalt clay.
- Mr. R. T. Reynolds: Two arrows from Tierra del Fuego.
- Mr. K. Richardson: Four stone adzes.
- Mr. Victor Rienaecker: White jade carving of gourd plant, from China.
- Sir Carrick Robertson: Mummified cat, and two polished sticks.
- Mr. R. Robertson: Scorpaena from Aohanga.
- Mr. C. H. Robinson: New Zealand specimen of *Polinices melanostoma*.
- Mr. H. C. Robson: Piebald moth and centipede.
- Miss Agnes Ross: Marine algae from Pitcairn Island.
- Captain H. M. S. Ryder: Pair of Bohemian glass vases and model of full-rigged ship, two silver beer tankards: deposited.
- Mrs. R. T. Sadd: Death adder and banded sea-snake.
- Mr. G. S. Sadler: New species of bivalve shellfish, and fine specimen of stargazer fish.
- Professor Samuelsson: Fifty-nine species of Magellan plants.
- Mr. Robert Sanders: Collection of mollusca and corals from Hayman Island.
- Sanford's, Ltd.: New species of cornet fish.
- Mr. C. A. Sasse: Map of Transvaal.
- Lieut.-Col. E. R. Sawyer: Hawksbill turtle.
- Miss M. Scott: Two bedspreads.
- Mr. J. Seabrook: Skull of N.Z. Dolphin from Muriwai Beach.
- Mrs. R. Sellers: Carved ivory brooch: deposited.

- Mrs. Harold Sherwin: Old handbag and samples of lace.
 Mr. B. Sladden: Collection of marine algae from Alderman Island.
 Mr. C. F. Smith: Embryo of tope in egg.
 Mrs. E. E. Smith: Three war medals.
 Mrs. C. C. Smithson: Hand-made quilt.
 Mrs. H. H. Spencer: Twelve paintings of N.Z. fungi.
 Mr. R. N. Stanley: Jubilee edition of "Sun" newspaper, 1838.
 Mr. E. F. Stead and Mr. C. A. Fleming: Six eggs of Little Black Shag.
 Mrs. F. Steele: Two oil paintings of N.Z. birds
 Mrs. H. Stichbury: Snuff box made from timber of H.M.S. "Royal George."
 Mr. E. M. Sturmfels: Three pearl shell counters from China.
 Taupiri Coal Mines, Ltd.: Piece of fossilized tree trunk from Rotowaro.
 Tea Propaganda Board, Ceylon: Tea exhibits and products map.
 Mr. A. H. Theakston: N.Z. and Australian tokens.
 Mr. J. H. Thom: German automatic pistol.
 Professor A. P. W. Thomas: Rare fossil shell.
 Mr. N. R. W. Thomas: German war equipment.
 Mrs. Montague Troup: Burial card of Duke of Wellington; three vegetable caterpillars.
 Relatives of late Captain A. F. Tunks: Maori ethnographical specimens.
 Mr. Udy: Stone adze from Pakuranga, and small stone hammer.
 Mr. N. Ussher: Specimen of weta.
 Mr. E. E. Vaile: Zoological specimens and small round shot.
 Vaile Collection: Large greenstone *hei-tiki* and two *onewa mere*.
 Mrs. H. E. Vaile: Collection of Maori and ethnological articles.
 Mrs. B. C. Warburton: Abnormal egg of Buff Orpington hen.
 Mr. A. H. Watt: Blue Moon butterfly; *kumara* weeder, greenstone scraper and heavy stone sinker.
 Mr. J. Webb: Stone adze from Pakuranga.
 Mrs. F. Webster: Collection of otoliths and Eocene fossils.
 Teira Wi: Iron flour mill.
 Mr. A. S. Wilkinson: Fine stone adze from Nelson.
 Mr. G. R. Wilkinson: Original copy of the "Gymeric Times," 1900.
 Mr. Eric Wilson: Small greenstone *toki* from Canterbury: deposited.
 Mr. V. Wilson: Albino pheasant.
 Mr. A. R. Wooldridge: German war map.
 Mr. F. H. Woledge: Plaited grass armlet from Solomon Islands.
 Master Noel Wooton: Large dragonfly.
 Mr. W. G. Wright: Human skull.
 Mr. A. Wyatt: Crested weed-fish.
 Captain G. F. Yerex: Collection of Natural History specimens.
 Zoological Park: Specimens of Blue Heron, Red-fronted Parakeet, Swinhoe Pheasant, Blossom-headed Parrakeet, Satin Bower Bird, and female Coyote and Black Lemur.

Members of the Auckland Institute.

(Members are requested to advise the Secretary of any change
of Address)

HONORARY LIFE MEMBER.

Sir Cecil Leys.

LIFE MEMBERS.

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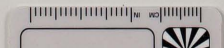
D.Sc.

Wright, Hugh.

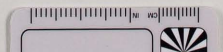
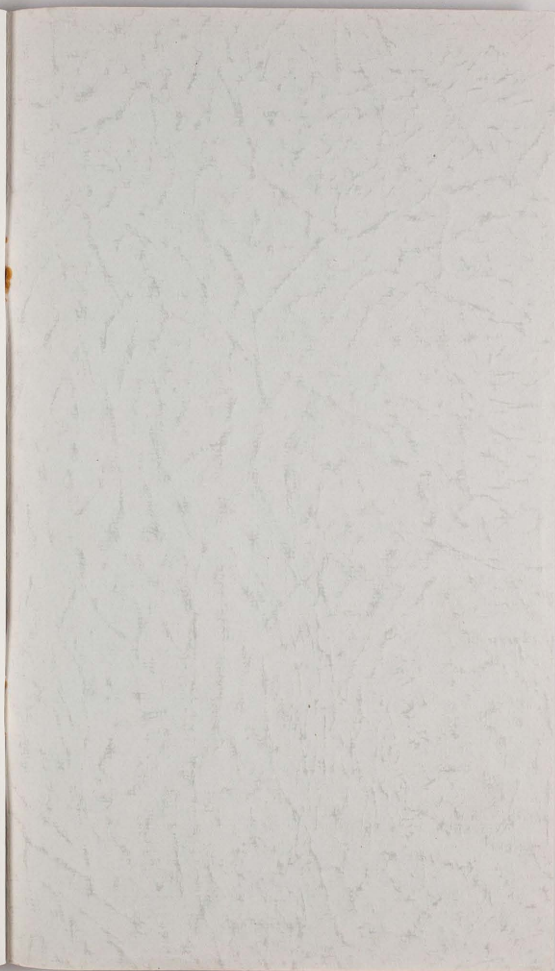
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